BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

	Estimate Cost Rs.	1950000.00

Name of Work: Detailed Estimate for the work of Construction of RCC drain at 1st and 2nd cross roads western side and Eastern side of kamakshamma layout in ward No- 02 of yelahanka Sub Division.

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-2.1 earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, **in ordinary soil** not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No. 5/ Item No 2.3/ PWD SR 2015-16	cum							
	for RCC drain		2	80.00	1.00	1.00	160.00		
			2	22.00	1.00	1.00	44.00		
			1	60.00	1.00	1.00	60.00		
	culvert		2	6.00	1.50	1.00	18.00		
							282.00	**192.24**	**54212.00**
	Basic Rate	178.00							
	Area Weightage @ 8%	14.24							
	Total	**192.24**							
2	KSRB 100-1 Loading and unloading ofstone aggregates / sand/ kanker/ Moorum /soil KSRRB M100-1 Placing tipper at loading with front end loader dumpting turning for return trip excluding time for haulged and return trip complete as per specification item No 17.1 page 130 and KSRB M.100.4.1 costof haulage excluding loading and unloading MORTH to a distance of 4.00 K.M (Item No 17.4 Page 130 (SR 2015-16)	cum							
			Vide Item No. 1				282.00	85.60	24139.00
	Basic Rate for loading and unloading	68.00							
	Basic Rate for Haulage upto 4.00 k.m =1.28 X 2.20 X 4	11.26							
		79.26							
	Area Weightage @ 8%	6.34							
	Total	**85.60**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
3	KSRB-4-1 2 Providing and laying in position plain cement concrete of mix 1:3:6 withOPC cement at 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.465cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications Specification No, KBS 4.1,4.2, No. 12/ Item No. 4.2/ PWD SR 2015-16	Cum							
	for RCC drain		2	80.00	0.90	0.15	21.60		
			2	22.00	0.90	0.15	5.94		
			1	60.00	0.90	0.15	8.10		
			2	6.00	1.20	0.15	2.16		
							37.80	5236.92	197956.00
	Basic Rate	4849.00							
	Area Weightage @ 8%	387.92							
	Total	5236.92							
4	KSRB 4.2.2 Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.460cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, **lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc,** including cost of all materials, labour HOM of machinery, curing, complete as per specifications Specification No, KBS 4.1,4.6, No KBS 4.1,4.6, No 13/ Item No. 4.11/ PWD SR 2015-16	Cum							
	for RCC drain bed		2	80.00	0.90	0.15	21.60		
	side walls	2x2	4	80.00	0.15	0.70	33.60		
			2	22.00	0.90	0.15	5.94		
		2x2	4	22.00	0.15	0.60	7.92		
			1	60.00	0.90	0.15	8.10		
		2x1	2	60.00	0.15	0.70	12.60		
	for culvert		2	6.00	1.20	0.30	4.32		
	side walls	2x2	4	6.00	0.30	0.70	5.04		
	deck slab		2	6.00	1.20	0.30	4.32		

Sl	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
							103.44	6198.12	641134.00
	Basic Rate	5739.00							
	Area Weightage @ 8%	459.12							
	Total	6198.12							
5	KSRB 4.9.2 providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Page No. 17/ Item No. 4.46/ PWD SR 2014-15	Quintal							
	for RCC drain 66 kg/cum		0.660	89.76			58.34		
	for RCC drain 90 kg/cum		0.900	13.68			12.31		
		6463.50		103.44			70.66	6528.70	461292.00
	Basic Rate	6528.70							
6	KSRB 4-6.4 Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, attached pilasters, bittresses,buttresses plinth and string course including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 15/ Item No. 4.31/ PWD SR 2015-16	sqm							
	for rcc drain	2x4	8	80.00	0.75		480.00		
		2x4	8	22.00	0.75		132.00		
		1x4	4	60.00	0.75		180.00		
	culvert	2x4	8	6.00	0.75		36.00		
	deck slab		2	6.00	0.60		7.20		
		2x2	4	6.00	0.30		7.20		
		2x2	4	1.20	0.30		1.44		
							843.84	306.72	258823.00
	Basic Rate	284.00							
	Area Weightage @ 8%	22.72							
	Total	306.72							

Sl	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
7	RCC Precast covering slab for drain (10cm thick)	sqm							
			2	80.00	0.75		120.00		
			2	20.00	0.75		30.00		
			1	60.00	0.75		45.00		
							195.00	1498.00	292110.00
	Rate Approved by BBMP	1498.00	Enclose copy of Board letter.						
									19302
8	1% of Quality control charges								19500.00
9	Miscellaneous charges							489	834.00
								Total	1950000.00
(Rupees Ninteen lakhs fifty thousand Only)									

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per C.S.R. of 2015-16
3 The provisions were made in this estimate are necessary and adequate
4 This works come under B.B.M.P. limits.

Ramesaiah
Assistant Engineer

Assistant Executive Engineer
Yelahanka Sub Division
Bangalore-64

Executive Engineer
Yelahanka Division
Bangalore-64

Administrative Approval

Accorded For 1950000/-
Head of A/C P-1771
CER NO : 101 **Dt:** 01.01.2016

TA **EE (YNK)**

TECHNICALLY SANCTIONED FOR Rs. 19.5 lakhs
Rupees Nineteen lakhs & fifty thousands only
Under P-1771-POW works
Registered as CE ( ) No. 99
Subject to conditions contained in enclosed memo EE ( ) No. —/91
Dt. EE/YNK/TS/54/15-16 Estimate A/ Sanctioned No.
Dated 02-01-2016 Rs. 19.5 lakhs